

WHAT IS CLAIMED IS:

1. A network solution analysis method in which a customer, a specimen analysis organization, and specimen analysis apparatus are connected to a network through a communication line, the specimen analysis organization acquires the measurement data by controlling the specimen analysis apparatus according to an order from the customer, the customer confirms the acquired measurement data received from the specimen analysis organization and the charge corresponding to the service content through a network computer, and the customer participates in the analysis work cooperatively with the specimen analysis organization.

2. A network solution analysis method comprising a step in which the specimen analysis organization acquires the measurement data by controlling the specimen analysis apparatus of the customer or the specimen analysis organization according to the order from the customer, a step in which the customer confirms the charge corresponding to the acquired measurement data and concomitant service content received from the specimen organization through the network, and participates in the analysis work cooperatively with the specimen analysis organization, and a step in which the specimen analysis organization presents the analysis result to the customer, wherein the network is connected to the customer, the specimen analysis organization, and the specimen analysis apparatus

through a communication line.

3. The network solution analysis method as claimed in claim 1, wherein the network solution analysis method comprises a step in which the specimen analysis organization provides the operation of the specimen analysis apparatus, the work for maintenance of the apparatus, and the interpretation and analysis of the acquired measurement data to the customer through the network.

4. The network solution analysis method as claimed in claim 1, wherein the network solution analysis method comprises a step in which the specimen analysis organization collects the charge for the analysis result that the customer has confirmed and has paid to the bank correspondingly to the confirmation through the network.

5. The network solution analysis method as claimed in claim 1, wherein an apparatus control screen, measurement data display screen, charge screen, and monitor screen are displayed dividedly or arbitrary screens selected from among these screens are displayed on the screen of the network computer.

6. A network solution analysis system comprising a specimen analysis apparatus owned by a customer or a specimen analysis organization, a means for obtaining the measurement data that the specimen analysis organization acquires by controlling the specimen analysis apparatus according to the order received from the customer, and a computer having a function

that the customer receives the acquired measurement data and the charge corresponding to the service content for the analysis work from the specimen analysis organization, and the measurement data and the charge are displayed on a screen of the computer, wherein the customer, the specimen analysis organization, and the specimen analysis apparatus are connected to a network through a communication line, and the analysis work is carried out through the network.

7. The network solution analysis system as claimed in claim 6, wherein the network is provided with a memory area, and a library function that accumulates the analysis data in the past in the memory area and discloses the analysis data in response to the request from the customer.

8. A network solution analysis method used in the process for measuring the stress distribution of a specimen from a diffraction pattern obtained by irradiation of a charged particle beam onto the specimen comprising a step in which a customer and analysis organization are connected to a network through a communication line, the customer acquires the measurement data including a diffraction pattern of a specimen with receiving the technical service from the analysis organization through a network computer, and the measurement data is sent to the analysis organization, a step in which the analysis organization analyzes the measurement data including the diffraction pattern of the specimen to measure the stress distribution, and reports

the result to the customer, and a step in which the customer confirms the report including the measurement result supplied from the analysis organization.

5 9. A network solution analysis method used to measure the stress distribution of a specimen from a diffraction pattern obtained by irradiation of a charged particle beam onto the specimen comprising a step in which a customer and an analysis organization are connected to a network through a communication line, the analysis organization acquires the measurement data including a diffraction pattern of the specimen with discussion with the customer through the network, analyzes the measurement data including the diffraction pattern of the specimen to measure the stress distribution, and reports the result to the customer, and a step in which the customer confirms the report including the measurement result supplied from the analysis organization.

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25 10. A network solution analysis method used to measure the stress distribution of a semiconductor device from an electron diffraction pattern acquired by use of a transmission electron microscope comprising a step in which a customer and an analysis organization are connected to a network through a communication line, the analysis organization receives a specimen from the customer and acquires the measurement data including the diffraction pattern of the specimen with discussion with the customer each other through the network computer, and the analysis organization analyzes the measurement data

including the diffraction pattern of the specimen to measure the stress distribution and reports the result to the customer, and a step in which the customer confirms the result report supplied from the analysis organization, and confirms the charge for the service content supplied from the analysis organization through the screen of the network computer.

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